



<b>Form PTO-1449</b>  <b>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)	<b>ATTY. DKT. NO.</b> MERCK 1883 C1	<b>SERIAL NO.</b> 09/484,259
	<b>APPLICANT</b> David COATES ET AL.	
	<b>FILING DATE</b> January 18, 2000	<b>GROUP</b> 2871

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
wjm	AA	5,710,609	1-1998	Shimada	349	130
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	AK					
	AL					

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	AM						
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	AS						
	AT						

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AU	H. Birecki, "Liquid Crystal Alignment on Substrate Surfaces, A Collective Phenomenon", <i>Liq. Cry. Ordered Fluids</i> , 1984 (4) 853-64.
	AV	Behadur, LIQUID CRYSTAL APPLICATIONS AND USES, Vol. III, pgs. 1-36.
	AW	
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<b>Examiner</b> Walter Malinowski		<b>Date Considered</b> May 6 2000

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